Installing and Using tinytex

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1 Background

We will use RStudio to create .qmd files that contain our writing and our analysis in one file. We will compile (or "knit") these .qmd files into .pdf files so that we can print them and upload them in an easy-to-read, portable format. The R package {tinytex} will help us configure some code that sits in the background and performs this compilation from .qmd to .pdf. After this initial installation, we will not need to invoke tinytex directly.

2 Procedure

Here are the steps for compiling directly to PDF. Open R and run

- install.packages("rmarkdown")
- 2. install.packages("tinytex")
- 3. library(rmarkdown)
- 4. tinytex::install_tinytex()
 This step will take a couple minutes. Pay attention to any warnings/notices that arise, including those at the R prompt.

Now, restart RStudio (not just R, but the full RStudio).

Suppose you have a file called my_ps_solutions.qmd that you want to compile. To compile it, use the "Render" button.

To view your file, open the created my_ps_solutions.pdf in whatever you use to view PDFs (Preview, Acrobat, Skim, etc.)

To compile your file, you actually have several options:

- Use the "Render" button
- At the R prompt, run

rmarkdown::render("my_ps_solutions.qmd", "pdf_document")

• At the R prompt, run

rmarkdown::render("my_ps_solutions.qmd")
if your .qmd file says format: pdf in the header

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